

10 30 50  
 GCACGAGCTGCCCTCCGCAGGCACCTGTGTCCCCAGCGCCGCTCCACCCAGCAGGC  
 70 90 110  
 CTGAGCCCCCTCTCTGCTGCCAGACACCCCCCTGCTGCCACTCTCCTGCTGCTCGGGTTCT  
 130 150 170  
 GAGGCACAGCTTGTACACCGAGGGATTCTCTTCTCTTCTCTTCTCTGGCCCC  
 190 210 230  
 ACAGCCGCAGCAATGGCGCTGAGTCCCTCTGCTGGAGTCATCCTGCTGAGCTGGGGTTCCC  
 250 270 290  
 GAGCTGCCGGTCTGAGCCTGAGGCATGGAGCCTGGAGACTGGGGCCTCCCTGG  
 310 330 350  
 M E P P G D W G P P P W  
 AGATCCACCCCCAAAACCGACGTCTTGAGGCTGGTGTATCTCACCTTCCTGGAGCC  
 R S T P K T D V L R L V L Y L T F L G A  
 370 390 410  
 CCCTGCTACGCCAGCTGCCCTGCAAGGAGGACGAGTACCCAGTGGGCTCCGAG  
 P C Y A P A L P S C K E D E Y P V G S E  
 430 450 470  
 TGCTGCCCAAGTGCAGTCCAGGTATCGTGTGAAGGAGGAGCTGCGGGGAGCTGACGGGC  
 C C P K C S P G Y R V K E A C G E L T G  
 490 510 530  
 ACAGTGTGTGAACCTGCCCTCCAGGCACCTACATTGCCACCTCAATGGCTAACAGCAAG  
 T V C E P C P P G T Y I A H L N G L S K  
 550 570 590  
 TGTCTGCAGTGCCAAATGTGTGACCCAGCCATGGCCTGCGCGAGCCGAAGTGCCTCC  
 C L Q C Q M C D P A M G L R A S R N C S  
 610 630 650  
 AGGACAGAGAACGCCGTGTGGTTGCAGCCAGGCCACTCTGCATCGTCCAGGACGGG  
 R T E N A V C G C S P G H F C I V Q D G  
 670 690 710  
 GACCACTGCCCGCGTGCCCGCTTACGCCACCTCCAGCCGGCCAGAGGGTGCAGAACAG  
 D H C A A C R A Y A T S S P G Q R V Q K  
 730 750 770  
 GGAGGCACCGAGAGTCAGGACACCCCTGTGTCAAGAACTGCCGGGACCTCTCTCC  
 G G T E S Q D T L C Q N C P P G T F S P  
 790 810 830  
 AATGGGACCCCTGGAGGAATGTCAGCACCAAGAACAGCTGGCTGGCTGGTACCGAAGGCC  
 N G T L E E C Q H Q T K C S W L V T K A  
 850 870 890  
 GGAGCTGGGACCAAGCAGCTCCACTGGGTATGGTGGTTCTCTCAGGGAGCCTCGTCATC  
 G A G T S S S H W V W W F L S G S L V I  
 910 930 950  
 GTCATTGTTGCTCCACAGTTGGCTAACATATGTGTGAAAAGAAGAAAGCCAAGGGGT  
 V I V C S T V G L I I C V K R R K P R G  
 970 990 1010

Figure 1A

GATGTTAGTCAGGGTGATCGTCTCCGTCAGCGGAAAGACAGGAGGCAGAAGGTGAGGCC  
 D V V K V I V S V Q R K R Q E A E G E A  
 1030 1050 1070  
 ACAGTCATTGAGGCCCTGCAGGCCCTCCGGACGTCACCACGGTGGCCGTGGAGGAGACA  
 T V I E A L Q A P P D V T T V A V E E T  
 1090 1110 1130  
 ATACCCCTCATTCACGGGGAGGAGCCAAAACACTGACCCACAGACTCTGCACCCGACGCC  
 I P S F T G R S P N H \*  
 1150 1170 1190  
 CAGAGATACTGGAGCGACGGCTGAATGAAAGAGGCTGTCCACCTGGCGAACCAACCGGA  
 1210 1230 1250  
 GCCCGGAGGCTGGGGCTCCACCTGGACTGGCTTCCGTCTCCTCAGTGGAGGGAGAG  
 1270 1290 1310  
 GTGGCGCCCTGCTGGGTAGAGCTGGGACGCCACGTGCCATTCCATGGGCCAGTGAG  
 1330 1350 1370  
 GGCCTGGGGCTCTGTTCTGCTGTGGCCTGAGCTCCCCAGAGTCCTGAGGAGGAGGCCA  
 1390 1410 1430  
 GTTGCCTCGCTCACAGACCACACACCCAGCCTCCTGGCCAACCCAGAGGGCCTTCA  
 1450 1470 1490  
 GACCCCAGCTGTGCGCGTCTGACTCTTGTGGCCTCAGCAGGACAGGCCCGGGCACTG  
 1510 1530 1550  
 CCTCACAGCCAAGGCTGGACTGGGTTGGCTGCAGTGTGGTGTAGGGATACCATCG  
 1570 1590 1610  
 GAAGTGATTTCTAAATTGGATTTGAATTGGCTCTGTTCTATTTGTGATGAAACAG  
 1630 1650 1670  
 TGTATTGGGAGATGCTGGGAGGATGTAATATCTTGTGTTCTCCTCAAAAAAAA  
 1690  
 AAAAAAAAAAAAAAAAAAAAAA

Figure 1B

Percent Similarity: 46.591 Percent Identity: 28.788

1 MEPPGDWGPPPWRSTPKTDVRLVLYLTFLGAPCYAPALPSCKEDEYPVG 50  
1 .....MVSLPRLCALWGCLLTAVHLGQCVCSDKQYLHD 34  
51 SECCPKCSPGYRVKEACGELTGTVCCEPCPPGTYIAHLNGLSKCLQCQMCD 100  
35 GQCCDLQPGSRLTSHCTALEKTQCHPCDSGEFSAQWNREIRCHQHRHCE 84  
101 PAMGLRASRNCSRTENAVCGCSPGHFCIVQDGDHCAACRAYATSSPGQRV 150  
85 PNQGLRVKKEGTAESDTVCTCKEGQHCTSKD..CEACAQHTPCIPGFGV 131  
151 QKGGTESQDTLCQNCPGTFSPNGTL.EECQHQTKC.SWLVTKAGAGTSS 198  
132 MEMATETTDVTCHPCPVGFFSNQSSLFEKCYPWTSCEDKNLEVLQKGTSQ 181  
199 SH.....WVWWFLSGSLVIVIVCSTVGLIICVKR..RKPRGDVVKVIV 239  
182 TNVICGLKSRMRALLVIPVVMGILITIFGVFLYIKKVVKKPKDNEMLPPA 231  
240 SVQRKRQEAEGL.....EATVIEALQAPPDVTTVAVEETIPSFTGRSPNH 283  
232 ARRQDPQEMEDYPGHNTAAPVQETLHGCQPVHQEDGKESRISVQERQVTD 281

Figure 2

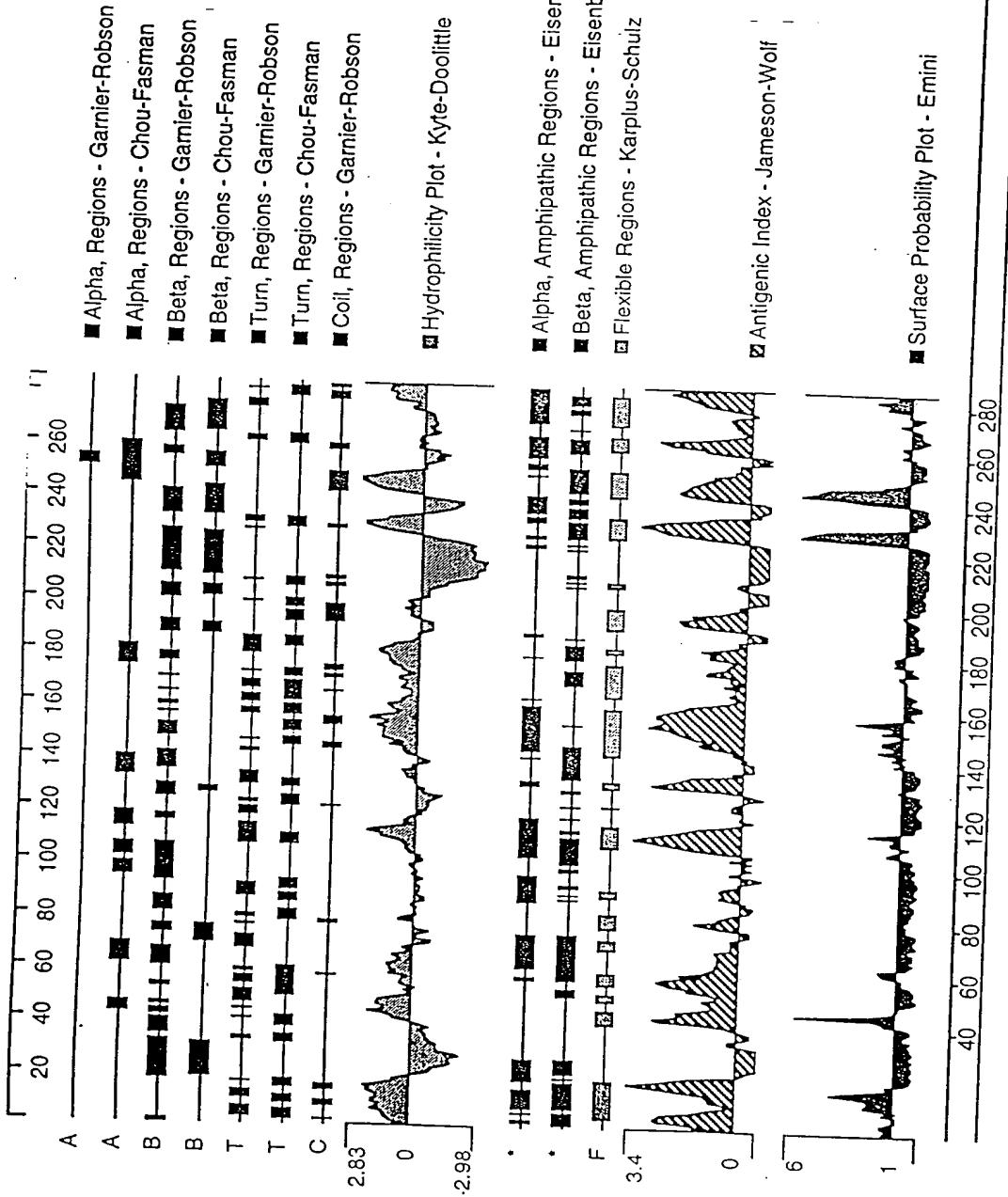


Figure 3

10 30 50  
 CCCCCCTCTACAGGAAACCCGGAGTGGACTGGAACGGTGCAGGGGGAGAACTCGCCCCCTC  
 70 90 110  
 CCATCGGGCGCTCCTCATACCGGCCCTTCCCTCGGCTTGCCTGGACAGCTCCTGCC  
 130 150 170  
 TCAGGGCAGCGCCACCTGTGTCGCCAGCGCCGCTCCACCCAGCAGGCCCTGAGCCCCCTC  
 190 210 230  
 TGCTGCCAGACACCCCTGCTGCCCACTACTCCTGCTGCCCTGGTTCTGAGGCCACAGCTT  
 250 270 290  
 GTCACACCGAGGCGGATTCTCTTCTCTTCTCTTCTGGCCCCACAGCCGCAGCA  
 310 330 350  
 ATGGCGCTGAGTTCCCTCTGCTGGAGTTCATCCTGCTAGCTGGTTCCCGAGCTGCCGGTC  
 370 390 410  
 TGAGCCTGAGTCATGGAGCCTCCTGGAGACTGGGGGCCTCCCTCCCTGGAGATCCACCCCC  
 M E P P G D W G P P P W R S T P  
 430 450 470  
 AGAACCGACGTCTTGAGGCTGGTGTATCTCACCTTCCCTGGAGCCCCCTGCTACGCC  
 R T D V L R L V L Y L T F L G A P C Y A  
 490 510 530  
 CCAGCTCTGCCGTCCTGCAAGGAGGACGAGTACCCAGTGGCTCCGAGTGTGCCCAAG  
 P A L P S C K E D E Y P V G S E C C P K  
 550 570 590  
 TGCAGTCCAGGTTATCGTGTGAAGGAGGCCTGCCGGAGCTGACGGCACAGTGTGTGAA  
 C S P G Y R V K E A C G E L T G T V C E  
 610 630 650  
 CCCTGCCCTCCAGGCACCTACATTGCCACCTCAATGCCCTAACGCAAGTGTCTGCAGTGC  
 P C P P G T Y I A H L N G L S K C L Q C  
 670 690 710  
 CAAATGTGTGACCCAGATATTGGTCCCCCTGTGACCTCAGGGAAAGAGGTCACCTGGAG  
 Q M C D P D I G S P C D L R G R G H L E  
 730 750 770  
 GCTGGTCCCCACCTGAGTCCAGGCAGACAGAAAGGGAACCCAGACCCAGAGGTGGCTTT  
 A G A H L S P G R Q K G E P D P E V A F  
 790 810 830  
 GAGTCACTGAGGCCAGAGCCTGTCCATGCCAACGGCTCTGCCCCCTGGAGCCTCAT  
 E S L S A E P V H A A N G S V P L E P H  
 850 870 890  
 GCCAGGGCTCAGCATGGCCAGTGCTCCCTGCCAGGCAGGACTGCACCTGCCAGGGACAGG  
 A R L S M A S A P C G Q A G L H L R D R  
 910 930 950  
 GCTGACGGCACACCTGGGGCAGGGCTGAGCCTACAGGGAGGCACAGGGCAGGTGGCT  
 A D G T P G G R A \*  
 970 990 1010  
 AGCCATGAACAGAACAGAGGAAGCTGGAGTGTGCTTGGGGTCATGCATGAGGCTGGATT

Figure 4A

1030	1050	1070
TGGGGCTCACACCTCAACCTGCATGCCAGTCCATGCCCTCCCTCTGTGAAAGCAC		
1090	1110	1130
CTGTCTACTTGGGCTGAGGATGTGGGGCACAGGTGGCAGGTGAGGCTGCCCTCAGGAGG		
1150	1170	1190
GGCCCAGGCCAGCTGTACCCACCTCCACAGTACCTGAAGAAGTGGGCTCTCACCC		
1210	1230	1250
TACCTGCCTTGCCATTGAATGCCCTGGTTGCACAGATGGAAACCCGTTGAGGGT		
1270	1290	1310
GGGTGTCTGGTGGCACGTGGGCAGGACCTGCCCTGAGGGACCCCTGCCCTGGAACTGA		
1330	1350	1370
CAGTGCAAGCTGGCGCTGCCATCTGGCAGAAGGCTGGTTCTCCCATAACGAAG		
1390	1410	1430
CCCTCCCAGGACCTTCCTGCAAGCCCTCGTCCCACACGCAGCTCTGCCGTCCCTGGTGT		
1450	1470	1490
CCCTCCCAGGCCCTCAGGTCCATGCTGGTACCTCTGGCACCTCGTTGGCTGAGCCA		
1510	1530	1550
GGGGTTCAGCCCTGGCAGGGCGCCCTGGCAGCAGTCCTGGCCTGAGATGCTGTCCTGGC		
1570	1590	1610
CTGTGGATGGTGTCCGCCCTCACGTACCCCTCTCACCCCCCTCTGGACTCCAGCC		
1630	1650	1670
ATGGGCCTGCGCGAGCCGGAAGTGCCTCAGGACAGAGAACGCCGTGTGGCTGCAGC		
1690	1710	1730
CCAGGCCACTTCTGCATCGCCAGGACGGGACCACTGCCCGCGTGCCGCGCTACGCC		
1750	1770	1790
ACCTCCAGCCCCGGCCAGAGGTGCAGAAGGGAGGCACCGAGAGTCAGGACACCCGTGT		
1810	1830	1850
CAGAACTGCCCGGGGACCTTCTCTCCAAATGGGACCCCTGGAGGAATGTCAGCACCAAG		
1870	1890	1910
ACCAATTGGCCTAATCATATGTGTGAAAAGAAAGAACCAAGGGTGAGCACACGGTGGC		
1930	1950	1970
CCCATCAGGGTTCATGTCCCCAGCCGTACCTCTGGAGCTCTGTCACCCCAAGCCTGGG		
1990	2010	2030
AGGTGGCCCAGAGCTTCCAGGATCCCGGGCTCCCTCCAGGGCAGCCACTGCAGGCTG		
2050	2070	2090
GGGCAGGTGTATGTAGTCAGGTGATCGTCTCGTCCAGCGGTAAAAGACAGGAGGCAGA		
2110	2130	2150
AGGTGAGGCCACAGTCATTGAGCCCTGCAGGCCCTCCGGACGTCACCACGGTGGCCGTG		
2170	2190	2210
GAGGAGACAATACCCCTATTACGGGAGGAGCCAAACCACTGACCCACAGACTCTGCA		
2230	2250	2270
CCCCGACGCCAGAGATACCTGGAGAGACGGCTGCTGATAGAGGCTGTCACCTGGCAAA		
2290	2310	2330
CCACCGGAGCCGGAGGCTGGGGCTCCGCCCTGGCTGGTTCCGTCTCCAGTGG		
2350	2370	2390
AGGGAGAGGTGGTGCCTCTGTTGGTAGAGCTGGGACGCCACGTGCCATTCCATGG		
2410	2430	2450
TTCAGTGAGGGCTGGTGGCTCTGTTCTGCTGTGGCCTGAGCTCCCCAGAGTCCTGAGG		
2470	2490	2510
AGGAGCCCCAGTGCCCCCTCGCTCACAGACCACACACCCAGCCCTCTGGGCCAACCCAG		
2530	2550	2570
AGGCCCTTCAGACCCAGCTGTCTGCCGTCTGACTCTGTGGCCTCAGCAGGACAGGC		
2590	2610	2630
CCCGGGCACTGCCCTCACAGCCAAGGCTGGAATGGGTTGGCTGAGTGTGGTTAGTGG		
2650	2670	2690
ATACCACATCGGAAGTGATTTCTAAAAATTGGATTGAATTGGAAAAAA		

Figure 4B

Percent Similarity: 47.541 Percent Identity: 24.590

1 MEPPGDWGGPPWRSTPRTDVLRLVLYLTFLGAPCYAPALPSCKEDEY..P 48  
1 MAPVAVWAALAVGLELWAAHALPAQVAF..TPYAPEPGSTCRLREYYDQ 48  
49 VGSECCPKCSPGYRVKEACGELTGTVCCEPCPPGTYIAHLNGLSKCLQCQM 98  
49 TAQMCCSKCSPGQHAKVFCTKTSDTVCDSCEDSTYTQLWNWVPECLSCGS 98  
99 ..CDPDIGSPCDLRGRGHL.....EAGAHLSPGRQKGEPDPE 133  
99 RCSSDQVETQACTREQNRICTCRPGWYCALSKQEGCRLCAPLRKCRPGFG 148  
134 VA.....FESLSAEPVHAANGS 150  
149 VARPGTETSDVVCKPCAPGTFSNTTSSTDICRPHQICNVVAIPGNASMDA 198  
151 VPLEPHARLSMASAPC..GQAGLHLRDRADGTPGGRA..... 185  
199 VCTSTS PTRSMA PGAVHLPQPVSTRSQHTQPTPEPSTAPSTSFLPMGPS 248

Figure 5

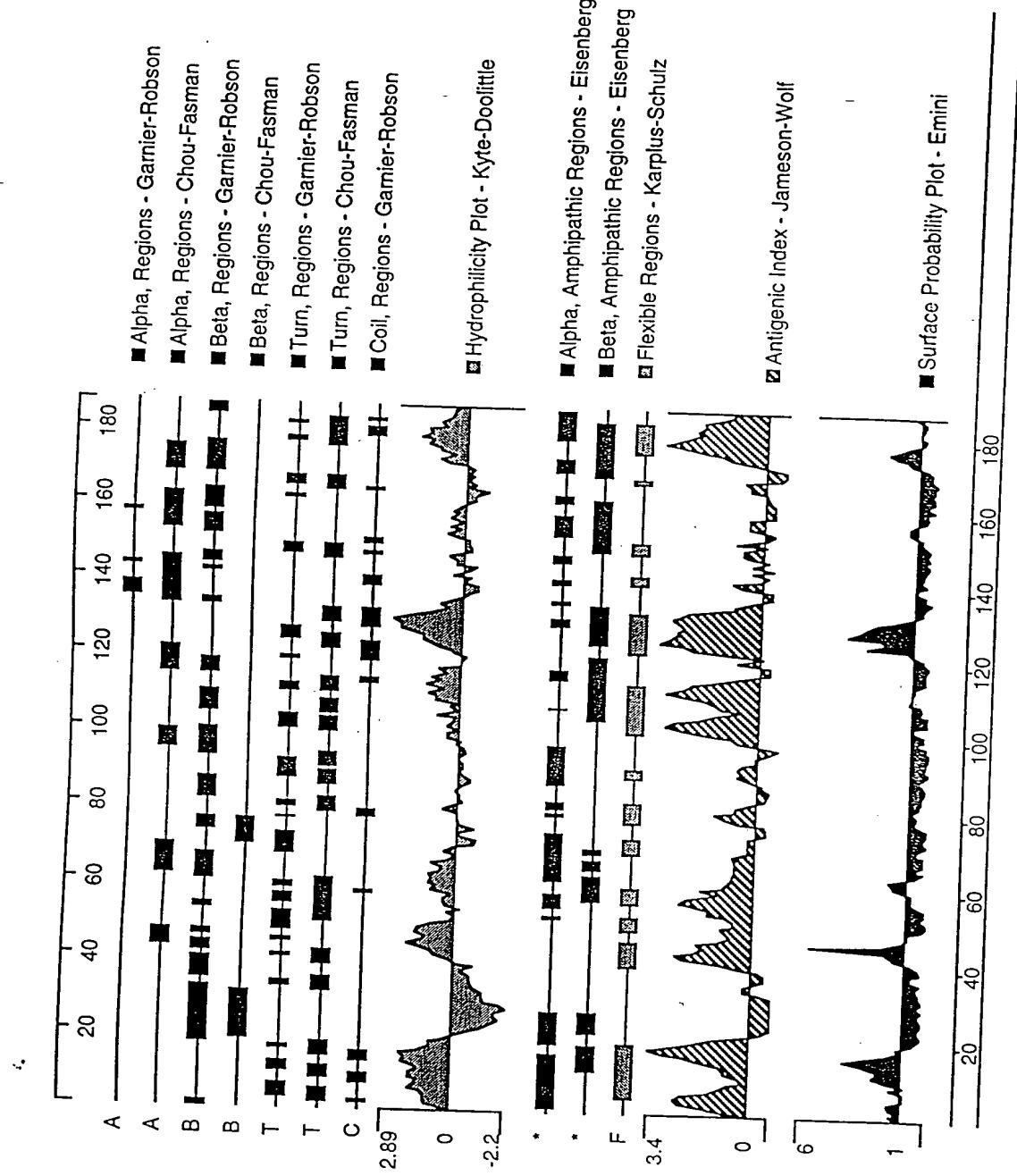


Figure 6

10 30 50  
 AAAAGCTGGGCTCCACGGGGACGACCGCTCTAGAAACTGAGTGGTATCCCCGGGCCT  
 70 90 110  
 GCAGGAATTCCAACCTGCCTGAAGGGACCCCTGCCCTGGAACGTGACAGTCAGCTCGGCG  
 130 150 170  
 TCCTGCCATCTGGGAAGAAGGCTGGTTCTCCCATCAACGAAGCCCTCCAGGACCTTC  
 190 210 230  
 CTGCAAGCCCTCGTCCCACACGCAGCTCTGCCGTCCCTGGGTGTCCTCCGGCCTCAGG  
 250 270 290  
 TCCTCCATGCTGGGTACCTCTGGCACCTCGTTGGCTGAGCCAGGGGTTCAAGCTGGCA  
 M L G T S G H L V W L S Q G F S L A  
 310 330 350  
 GGGGCCCTGGCAGCAGTCCTGGCTGTGGATGCTGTCTGGCCTGTGGATGGTGTCCC  
 G R P G S S P W P V D A V L A C G W C P  
 370 390 410  
 GGCCCTCACGTACCCCTCTCAGCCCCCTGGACTCCAGCCATGGGCCTGCGCGCG  
 G L H V P P L S P S S W T P A M G L R A  
 430 450 470  
 AGCCGGAACCTGCTCCAGGACAGAGAACGCCGTGTGGCTGCAGCCCAGGCCACTTCTGC  
 S R N C S R T E N A V C G C S P G H F C  
 490 510 530  
 ATCGTCCAGGACGGGGACCACTGCGCCGCGTGGCGCTAACGCCACCTCCAGCCGGG  
 I V Q D G D H C A A C R A Y A T S S P G  
 550 570 590  
 CAGAGGGTGCAGAAGGGAGGGACCGAGAGTCAGGACACCTGTGTCAGAACTGCCCGG  
 Q R V Q K G G T E S Q D T L C Q N C P R  
 610 630 650  
 GGACCTTCTCTCCAATGGGACCCCTGGAGGAATGTCAGCACAGACCAAGTAAGTGAACC  
 G P S L P M G P W R N V S T R P S K \*  
 670 690 710  
 CCGTCTCTCCAGCAGAAAGGTTGAAGGTCCACCCCTGAGCGGCACCCGGTACATGCC  
 730 750 770  
 TCGTCCAGGAGAGCTGCAGGGTGAAGCCTGTGCCCCAGATAACCCCTTCCATGGGCC  
 790 810 830  
 CAGACAAAGCCTCATCAGATCTGAGCTTCCCTGGAGGCTCAGGATGGGCTTCCAGAAGC  
 850 870 890  
 AGGCCAGAGGGAGGCTGCCCTCAGATCCCCCTGCCCCAGGGCTGTGGGTGTCCCTGAA  
 910 930 950  
 TGTCAGGCCATGGGAGGGCCCTGGCTTCAGGGTTGGGAAAGTGAACACTCTGCTC  
 970 990 1010  
 1030 1050 1070  
 TTTGTCCACCTCGGGAGGACAACCTCAAAATGCTGACCCCTGGGCCCTAACTGACCTGA  
 1090 1110 1130  
 GACTTCAGAGCTCTGGGAGGAGCTGGGTCCCCAGCGGAGCCTGGGATGGAGCAGGG  
 1150 1170 1190  
 ATGGCTCCCCAGGGAGGGGGCGGTGGGCCTTCCATCCTGCTCTGCCCTCTCGTCCTC  
 1210 1230 1250  
 TGGCCCCAGCTCAGCCTGTCCATCTCAGCTCTAACCATTTGTCAGGCCGACACTGGCTC  
 1270 1290 1310  
 TCCCTCTACCTCTGTGCTTGACACTGGCTCCCGTGCCTGGGTCTCTGCACTG  
 1330 1350 1370  
 ATGGCTGCCCTCCGCTTCTCTCCCTCTGCCGTCTGTGGGCCAGTCT

Figure 7A

1390	1410	1430
CTCCTTGTCTCTTCTCCTCCTCCTCTCCACCTCCCCATAGCCGAGCTTGGAAAA		
1450	1470	1490
GTCAGACAGACCTCTGAGGTCTCATCCTGGAGCTGCCACCAGCCCAGCCTCCCTGGGACC		
1510	1530	1550
TGTCTTCACTGCCTGGGCCCTGGGAGCCAGGGAGGCTCCCTGAGGCTGAGTGAACACTG		
1570	1590	1610
GGCGCTGCACCTGCCCTCCTCCCACGTCCCTGGCCCCACTCCGCAGGTGCAGCTGGCTGGT		
1630	1650	1670
GACGAAGCCGGAGCTGGGACCAGCAGCTCCACTGGGTATGGTGGTTCTCTCAGGGAG		
1690	1710	1730
CCTCGTCATCGTCATTGTTGCTCACAGTTGGCTTAATCATATGTGTGAAAAGAAGAAA		
1750	1770	1790
GCCAAGGGGTGATGTAGTCAAGGTGATCGTCTCCGTCCAGGTATTGATCCTCCCTCCCCCT		
1810	1830	1850
CTCCCTCCCCCCTCCACCTCCACCTCCCTCTCCCCGCTGGGCTGGTGGTTCTGGTG		
1870	1890	1910
TACATGGTGGGGCTCCAGTTCTCTGAGGTCTGAGTCTTCAAGTACAGCCACGGTA		
1930	1950	1970
GCTCAGGAAAGAACCCACCCCCCTCAAACGTAAAGCAGTAAATGAACCCGAGAACCTGGA		
1990	2010	2030
GTCCCAGGGGGCCTGAGCAGGCAGGGTCTCCACGATTGTCACAGCGGGAAAAG		
2050	2070	2090
ACAGGAGGCAGAAGGTGAGGCCACAGTCATTGAGGCCCTGCAGGCCCTCCGGACGTCAC		
2110	2130	2150
CACGGTGGCCGTGGAGGGAGACAATACCCCTCATTCACGGGGAGGAGCCAAACCAACTGAC		
2170	2190	2210
CCACAGACTCTGCACCCCGACGCCAGAGATACCTGGAGCGACGGCTGCTGAAAGAGGCTG		
2230	2250	2270
TCCACCTGGCGAAACCACCGGAGCCGGAGGTTGGGGCTCCGCCCTGGCTGGTTCC		
2290	2310	2330
GTCTCCTCCAGTGGAGGGAGAGGTGGGGCCCTGCTGGGTAGAGCTGGGACGCCACGT		
2350	2370	2390
GCCATTCCCATGGGCCAGTGAGGGCCTGGGGCTCTGTTCTGCTGTGGCCTGAGCTCCCC		
2410	2430	2450
AGAGTCCTGAGGGAGGCCAGTTGCCCTCGCTCACAGACCACACACCCAGCCCTCCT		
2470	2490	2510
GGGTCCAGCCCAGAGGGCCCTTCAGACCCAGCTGTCTGCGCGTCTGACTCTTGTGGCCT		
2530	2550	2570
CAGCAGGACAGGCCGGGACTGCCTCAAGCCAAGGCTGGACTGGGTTGGCTGCAGTG		
2590	2610	2630
TGGTGTAGTGGATACCACATCGGAAGTGAATTCTAAATTGGATTGAAAAAA		

Figure 7B

Percent Similarity: 45.522 Percent Identity: 26.866

1 MLGTSGHLWVLSQGFSL.....AGRPGSSPWPVD.... 29  
1 .MAPVAVWAALAVGLEWAAAHALPAQVAFPYAPEPGSTCRLREYYDQT 49  
30 AVLACGWC.PGLHV.....PPLSPSSW 50  
50 AQMCCSKCSPGQHAKVFCTKTSDTVCDSCEDSTYTQLWNWVPECLSCGSR 99  
51 TPAMGLRASRNCSRTENAVCGCSPGHFCIVQDGDHCAACRAYATSSPGQR 100  
100 CSSDQV.ETQACTREQNRICTCRPGWYCALSQEGCRLCAPLRKCRPGFG 148  
101 VQKGGTESQDTLCQNCPRGPSLPMGPWRNVSTRPSK..... 136  
149 VARPGTETSDVVCKPCAPGTFSNTTSSTDICRPHQICNVVAIPGNASMDA 198

Figure 8

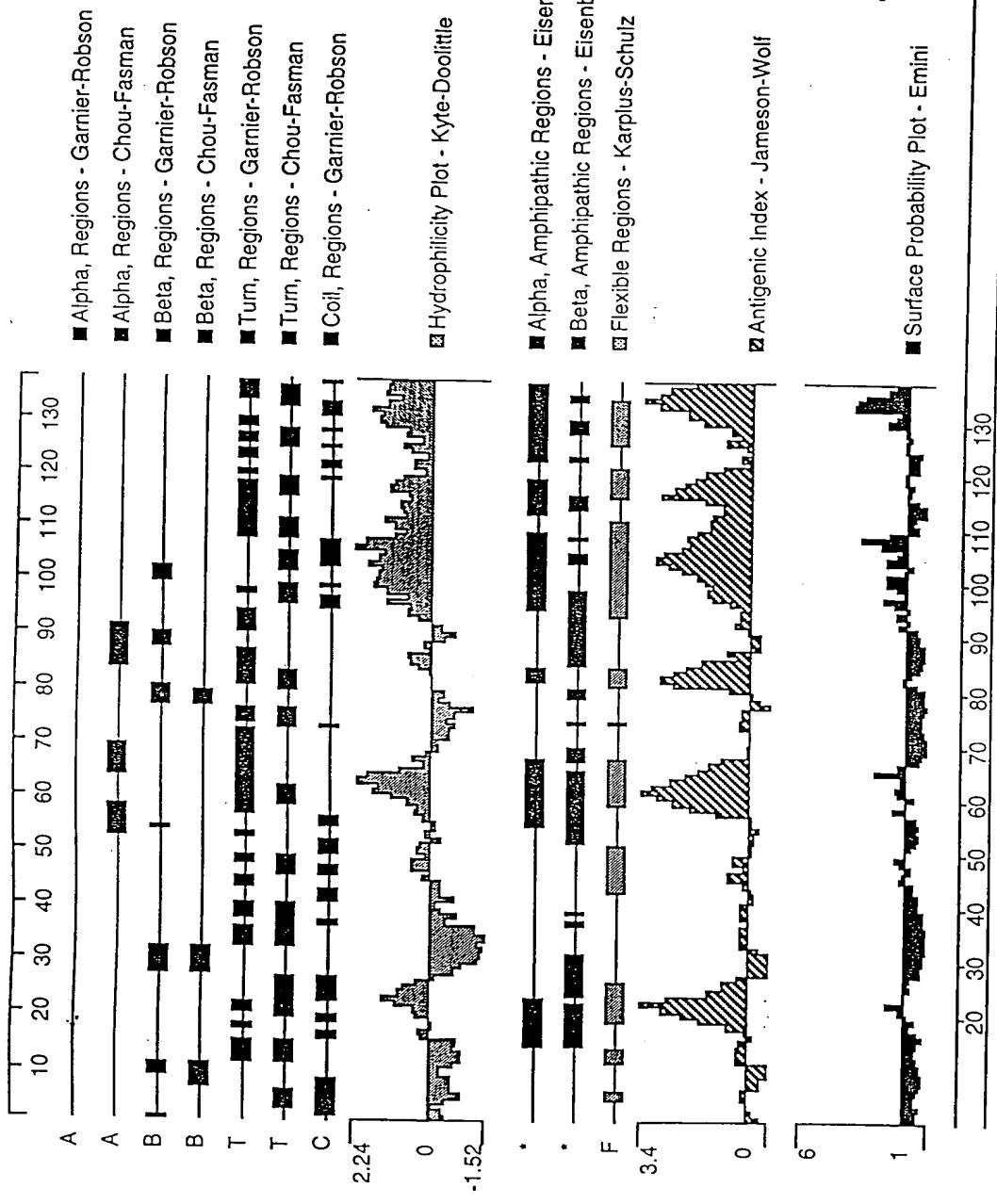


Figure 9

Percent Similarity: 73.370 Percent Identity: 59.783

1 MEPPGDWGP~~P~~WRSTPKTDVLRLVLYLTFLGAPCYAPALPSCKEDEYPVG 50  
1 MEPPGDWGP~~P~~WRSTPRTDVLRLVLYLTFLGAPCYAPALPSCKEDEYPVG 50  
51 SECCPKCSPGYRVKEACGELTGTVC~~E~~PCPPGTYIAHLNGLSKCLQCQMCD 100  
101 PAMGLRAS.RNCSRTENAVCGCSPGHFCIVQDGDHCAACRAYATSSPGQR 149  
101 PDI~~G~~SPCDL~~R~~GRGHLEAG.....AHLSPGRQKGE~~P~~DEVAFESLSAEPV 144  
150 VQKGGTESQDTLCQNC~~PP~~GTFS~~P~~NGTLEECQHQ~~T~~KCSWL~~V~~T~~K~~AGAGTSSS 199  
145 HAANGSVPLEPHARLSMASAPCGQAGLH.....L~~R~~DRADGT~~P~~GGR 184  
200 H~~W~~WWFLSGSLVIVIVC~~S~~TVGLIICV~~K~~RRKPRGDVV~~V~~KIVSVQRKRQEAE 249

Figure 10

Percent Similarity: 70.588 Percent Identity: 60.294

Figure 11

Percent Similarity: 37.984 Percent Identity: 20.155

Figure 12

Percent Similarity: 92.168 Percent Identity: 92.168

Figure 13A

1650 CAGGACAGAGAACGCCGTGTGGCTGCAGCCCAGGCCACTTCTGCATCG 1699  
 650 TCCAGGACGGGGACCAC TGC GCG CGT GCG CG CTAC GCA CCT CCAGC 699  
 1700 TCCAGGACGGGGACCAC TGC GCG CGT GCG CG CTAC GCA CCT CCAGC 1749  
 700 CCGGGCCAGAGGGTGCAGAAGGGAGGCACCGAGAGTCAGGACACCCCTGTG 749  
 1750 CCGGGCCAGAGGGTGCAGAAGGGAGGCACCGAGAGTCAGGACACCCCTGTG 1799  
 750 TCAGAACTGCCCGGGACCTTCTCTCCAAATGGGACCCCTGGAGGAAT 799  
 1800 TCAGAACTGCCCGGGACCTTCTCTCCAAATGGGACCCCTGGAGGAAT 1849  
 800 GTCAGCACCAGACCAAGTG. .... 818  
 1850 GTCAGCACCAGACCAATTGGCCTAATCATATGTGTGAAAAGAAGAAAGCC 1899  
 819 CAGCTGGCTGGTACGAAGGCCGGAGCTGGG. .... ACCAGCAGCTC 860  
 1900 AAGGGGTGAGCACACGGTGGCCCATCAGGGTTCATGTCCCCAGCCGTCA 1949  
 861 CCACTGGGTATGGTGGTTCTCTCAGGGAGCCTCGTCATCGTCATTGTTT 910  
 1950 CCTCTTGGAGCTCTGTCACCCCAAGCCTGGGAGGTGGCCCAGAGCTTT 1999  
 911 GCTCCACAGTTGGCCTAATCATATGTGTGAAAAGAAGAAAGCCAAGGGT 960  
 2000 CCAGGATCCGGGGCTCTCCAGGGCAGCCACTGCAGGCTGGGCAGGTG 2049  
 961 GATGTAGTCAGGTGATCGTCTCCGTCCAGCGG. AAAAGACAGGAGGCAG 1009  
 2050 TATGTAGTCAGGTGATCGTCTCCGTCCAGCGGTAAGACAGGAGGCAG 2099  
 1010 AAGGTGAGGCCACAGTCATTGAGGCCCTGCAGGCCCTCCGGACGTCAAC 1059  
 2100 AAGGTGAGGCCACAGTCATTGA. GCCCTGCAGGCCCTCCGGACGTCAAC 2148  
 1060 ACGGTGGCCGTGGAGGAGACAATACCTCATTCACGGGAGGAGCCAAA 1109  
 2149 ACGGTGGCCGTGGAGGAGACAATACCTCATTCACGGGAGGAGCCAAA 2198  
 1110 CCACTGACCCACAGACTCTGCACCCCGACGCCAGAGATAACCTGGAGCGAC 1159  
 2199 CCACTGACCCACAGACTCTGCACCCCGACGCCAGAGATAACCTGGAGAGAC 2248  
 1160 GGCTGAATGAAAGAGGCTGTCCACCTGGCGGAACCACCGGAGGCCGGAGG 1209  
 2249 GGCTG. CTGATAGAGGCTGTCCACCTGGCGAAACCACCGGAGGCCGGAGG 2297  
 1210 CTTGGGGCTCCACCTGGACTGGCTTCCGTCTCCAGTGGAGGGAGA 1259  
 2298 CTTGGGGCTCCGCCCTGGGCTGGTTCCGTCTCCAGTGGAGGGAGA 2347  
 1260 GGTGGCGCCCTGCTGG. GGTAGAGCTGGGACGCCACGTGCCATTCCCA 1308  
 2348 GGTGGTGCCTGCTGGTAGAGCTGGGACGCCACGTGCCATTCCCA 2397

Figure 13B

1309	TGGGCCAGTGAGGGCCTGG . . . . .	GCCCTCTGTTCTGCTGTGGCTGAGCTCCC	1357
2398	. . . . .	. . . . .	. . . . .
1358	CAGAGTCCTGAGGAGGAGCGCCAGTTGCCCTCGCTCACAGACCACACAC	1407	
2448	. . . . .	. . . . .	. . . . .
1408	CCAGCCCTCCGGGCCAACCCAGAGG . . . . .	GCCTTCAGACCCAGCTGTGTGC	1456
2498	. . . . .	. . . . .	. . . . .
1457	CCAGCCCTCCGGGCCAACCCAGAGGCCCTTCAGACCCAGCTGTCTGC	2547	
2548	. . . . .	. . . . .	. . . . .
1507	GCGTCTGACTCTGTGGCCTCAGCAGGACAGGCCCGGGCACTGCCTCAC	1506	
2598	. . . . .	. . . . .	. . . . .
1557	AGCCAAGGCTGGACTGGGTTGGCTGCAGTGTGGTGTAGTGGATACCAC	1556	
2598	. . . . .	. . . . .	. . . . .
1557	AGCCAAGGCTGGAATGGGTTGGCTGCAGTGTGGTGTAGTGGATACCAC	2647	
2648	. . . . .	. . . . .	. . . . .
1557	ATCGGAAGTGATTTCT . . . . .	AAATTGGATTGAAATTCGGCTCCTGTTTCT	1604
2648	. . . . .	. . . . .	. . . . .

卷之三

Figure 13C

1 ..... GCACGAGCTGCCTCCCGCAGGGCG 24  
701 GTTGCTTCCCTGGGAGATGACCGTCTTCTCCAGCAGAAAGGTTGAAGGTC 750  
25 CACCTGTGTCCCCAGCGCCGCTCCACCCAGCAGGCCTGAGGCCCTCTCT 74  
751 CCACCCCTGAGCGGCACCCCTGGTCACATGCCTGCGTCCAGGAGAGCTGCAG 800  
75 GCTGCCAGACACCCCTGCTGCCACTCTCCTGCTGCTCGGGTTCTGAGG 124  
801 GGTGAAGCCTGTGTGCCCGAGATAACCCCTTCCATGGGCCAGACAAAGC 850  
125 CACAGCTTGTACACCGAGGCGGATTCTCTTTCTCTTTCTCTTCCTTC 174  
851 CTCATCAGATCTGAGCTTCCCTGGAGGCTCAGGATGGGCCCTCCCAGAAC 900  
175 TGGCCCACA ..... GCCGCAGCAATGGCGCTGAGTTCCCTCTGCTGGAGTT 219  
901 AGGCCAGAGGGAGGCTGCCTCCAGATCCCTGTCCCCCTGGGGCTGTGGG 950  
220 CATCCTGCTAGCTGGTTCCCGAGCTGCCGGTCTGAGCCTGAGGCATGGA 269  
951 TGTCCCTGAATGTCAGGGCCATGGGAGGGCCCTGGGCTTCAGGGGTTGG 1000  
270 GCCTCCTGGAGACTGGGGCCTCCCTCC ..... CTGGAGATCCACCCCCAA 314  
1001 GGAAAGTGAACACTCTGCTTTGTCCACCTCGGGAGGACAACCTCAA 1050  
315 A ..... ACCGACGTCTGAGGCTGGTGTATCTCACCTCCCTGGGA 357  
1051 ATGCTGACCCCTGGGCCCTAACGTACCTGAGACTTCAGAGCTTCTGGGA 1100

Figure 14A

358 GCCCCCTGCTACGCCAGCTCTGCCGTCTGCAAGGAGGACGAGTACCC 407  
 1101 ||||| ||||| ||||| ||||| ||||| ||||| 1150  
 408 AGTGGGCTCCGAGTGCTGCCCAAGTGCAGTCAGGTTATCGTGTGAAGG 457  
 1151 CAGGGAGGGGGCGGTGGGCCTTCCATCCTGCTCTGCCCTCGTCCTC 1200  
 458 AGG.. CCTGCCGGGAGCTGACGGCACAGTGTGAACCCCTGCCCTCCAG 505  
 1201 TGGCCCCAGCTCAGTCCTGTCCATCTCCAGCTAACCATTGTGGCCCG 1250  
 506 GCACCTACATTGCCCACCTCAATGGCTAAGCAAGTGTGCAGTGCC.. 553  
 1251 ACACCTGGCTCTCCCTCACCTCTGTCTGTGACACTGGTCTCCCGT 1300  
 554 .AAATGTGTGACCCAGCCATGGGCCTGCGCGAGCCGGAAGTGTCCAG 602  
 1301 GCTCTGGGTCTCTGCACTGATGGCTGCCTCCGCTCTCTCCCTCTCC 1350  
 603 GACAGAGAACGCCGTGTGGTTGCAGCCCAGGCCACTTCTGCATCGTCC 652  
 1351 CTCTGCCGTCTGTCTCCTGTGGCCAGTCTCTCCTTGTCTCTCCCT 1400  
 653 AGGACGGGACCACTGCGCCCGTGCCTACGCCACCTCCAGCCCG 702  
 1401 CCTTCCTCTCTCCACCTCCCCATAGCCGAGCTGGAAAAGTCAGACAGA 1450  
 703 GGCCAGAGGTGCAGAAGGGAGGCACCGAGAGTCAGGACACCCCTGTGTCA 752  
 1451 CCTCTGAGGTCTCATCCTGGAGCTGCCACCAGCCAGCCTCCCTGGGACC 1500  
 753 GAACTGCC..CCCGGGACCTCTCTCCCAATGGGACCCCTGGAGG... 796  
 1501 TGTCTCACTGCCTGGGCCCTGGAGCCAGGGAGGCTCCCTGAGGCTGA 1550  
 797 .....AATGTCAGCACCAAG 810  
 1551 GTGAACACTGGCGCTGCACCTGCCTCTCCACGTCTCGGCCCAACTCC 1600  
 811 ACCAAGTGCAGCTGGCTGGTACGAAGGCCGGAGCTGGGACCAGCAGCTC 860  
 1601 CGCAGGTGCAGCTGGCTGGTACGAAGCCCGAGCTGGGACCAGCAGCTC 1650  
 861 CCACTGGGTATGGTGGTTCTCTCAGGGAGCCTCGTCATCGTCATTGTT 910  
 1651 CCACTGGGTATGGTGGTTCTCTCAGGGAGCCTCGTCATCGTCATTGTT 1700  
 911 GCTCCACAGTTGGCTAATCATATGTGAAAAGAAGAAAGCCAAGGGGT 960  
 1701 GCTCCACAGTTGGCTAATCATATGTGAAAAGAAGAAAGCCAAGGGGT 1750  
 961 GATGTAGTCAAGGTGATCGTCTCCGTCCAG..... 990  
 1751 GATGTAGTCAAGGTGATCGTCTCCGTCCAGGTATTGATCCTCCCTCCCCCT 1800  
 991 .....CGGAAAAGACAGGAGGCA 1008

Figure 14B

Figure 14C

卷之三

Percent Similarity: 53.479      Percent Identity: 53.479

1 CCCCCCTTCTACAGGAAACCCGGAGTGGACTGGAACGGTGCAGGGGGAGAA 50  
|| | ||||| | |||| | | | | | | | |

Figure 15A

1 ...AAAGCTGGGCTCCACCGGGGACGACCGCTCCTAGAAACTGAGTGGT 47  
 51 CTCGCCCCTCCCATCGGGCGCCTCCTTCATACCGGCCCTCCCTCGGCT 100  
 48 ATCCCCCGGCCTGCAGG .AATTCCAACCTGCCTGAAGGGACCCCTGCCCT 96  
 101 TTGCCTGGACAGCTCCTGCCTCAGGCAGGCCACCTGTGTCGCCAGCGC 150  
 97 GGAAC TG ..ACAGTGCAAGCTCGCGTCCTGCCCATCTGGGAAGAAGGCT 144  
 151 CGCTCCACCCAGCAGGCCCTGAGCCCTCTCTGCTGCCAGACACCCCTGC 200  
 145 GGTTTCTCCCATCAACGAAGCCCTCCAGGACCTTCCTGCAAGCCCTCGT 194  
 201 TGCCCAC TACTCCTGCTGCTCGGGTTCTGAGGCACAGCTTGTACACCGA 250  
 195 CCCACACCGCAGCTCTGCCGTCCCTGGTGTCCCTCCGGCCTCA...GGT 241  
 251 GGC GGATTCTCTTTCTCTTTCTCTTCTGGCCCA .CAGCCGCAGC 299  
 242 CCTCCATGCTGGTACCTCTGGCACCTCGTTGGCTGAGCCAGGGGTTTC 291  
 300 AATGGCGCTGAGTTCCCTCTGCTGGAGTTCATCCTGCTAGCTGGGTTCCCG 349  
 292 AGCCTGGCAGGGCGCCCTGGCAGCAGTCCTGGCCTGTGGATGCTGTCCT 341  
 350 AGCTGCCGGTCTGAGCCTGAGTCATGGAGCCTGGAGACTGGGGCCT 399  
 342 GGCCTGTGGATGGTGT C.....CCGGCCTCACGTACCCCTCTCAGCCC 386  
 400 CCTCCCTGGAGATCCACCCCCAGAACCGACGTCTTGAGGCTGGTGCTGTA 449  
 387 CTCCCTTGACTCCAGCCATGGCCTGCGCGCAGCCGA ACTGCTCCA 436  
 450 TCTCACCTTCCCTGGAGCCCTGCTACGCCAGCTCTGCCG .TCCTGC 498  
 437 GGACAGAGAACGCCGTGTGGCTGCGAGCCAGGCCACTTCTGCATCGTC 486  
 499 AAGGAGGACGAGTACCCAGTGGCTCCGAGTGCTGCCCAAGTGCAGTCC 548  
 487 CAGGACGGGACCCTGCGCCGCTGCCGCGTACGCCACCTCCAGCCC 536  
 549 AGGTTATCGTGTGAAGGAGGCCTGCGGGAGCTGACGGCACAGTGTGTG 598  
 537 GGGCCAGAGGGTGCAGAACGGAGGCACCGAGAGTCAGGACACCCCTGTGTC 586  
 599 AACCCCTGCCCTCCAGGCACCTACATTGCCACCTCAATGGCTAAGCAAG 648  
 587 AGAACTGCCCTGGGACCTT ..CTCTCCCAATGGGACCCCTGGAGGAATG 634  
 649 TGTCTGCAGTGCCAAATGTGTGACCCAGATATTGGTTCCCCCTGTGACCT 698  
 635 TCACGCCACAGACCAAGTAAGTGAAACCCGGGGAGGCCAGCTCTGTGCCCT 684  
 699 CAGGGGAAGAGGTACCTGGAGGCTGGTGCACCTGAGTCCAGGCAGAC 748  
 685 GGGGAGGGGGCTCCACGTTGCTTCCCTGGGAGATGACCGTCTCTCCAGC 734

Figure 15B

749 AGAAAC . . . . . GGAACCAGACCCAGAGGTGGCCCTTGATCACTGAGCG 793  
 ||||| ||||| ||||| ||||| |||||  
 735 AGAAAGGTTGAAGGTCCCACCCCTGAGCGGCACCCCTGGTCACATGCCTGCG 784  
 |||||  
 794 CAGAGCCTGTCCATGCGGCCAACGGCTCTGTCCCCTGGAGCCTCATGCC 843  
 ||||| ||||| ||||| |||||  
 785 TCCAGGAGAGCTGCAGGGTGAAGCCTGTGTGCCAGATAACCCCTCCA 834  
 |||||  
 844 AGGCTCAGCATGGCCAGTGCTCCCTGGGCCAGGCAGGACTGCACCTGCG 893  
 ||||| ||||| ||||| |||||  
 835 TGGGCCAGACAAAGCCTCATCAGATCTGAGCTTCCCTGGAGGCTCAGGAT 884  
 . . . . .  
 894 GGACAGGGCTGACGGCACACCTGGGGCAGGGCCTGAGCCTACAGGGAGG 943  
 ||||| ||||| ||||| |||||  
 885 GGGCCTTCCCAGAACAGGCCAGAGGGAGGCTGCCCTCAGATCCCTGT 934  
 |||||  
 944 CACAGGGCAGGTGGCTAGCCATGAACAGAACAGAGGAAGCTGGAGTGCTT 993  
 ||||| ||||| ||||| |||||  
 935 CCCCTGGGGCTGTGGGTGTCCCTGAATGTCAGGGCATGGAGGGCCCT 984  
 |||||  
 994 GGGGGTTCATGCATGTAGGCTGGGATTGGGCTCACACCTCAACCTGCA 1043  
 ||||| ||||| ||||| |||||  
 985 GGGCTTCAGGGTTGGGAAAGTGAACACTCTGCTCTTGTCCACCTTCG 1034  
 |||||  
 1044 TGCCCAGTTCCATGCCCTCCCTCTTGAAAGCACCTGTACTTGGA 1093  
 ||||| ||||| ||||| |||||  
 1035 GGAGGACAACCTTCAAATGCTGACCCCTGGGCCCTAACT . . . . . GA 1075  
 |||||  
 1094 CTGAGGATGTGGGGCACAGGTGGCAGGTGAGGCTGCCCTCAGGAGGGC 1143  
 ||||| ||||| ||||| |||||  
 1076 CCTGAGACTTCAGAGCTTCTGGGAGGAGCTGGGTCCCCAGCGGAGCC 1125  
 |||||  
 1144 CCAGGCCAGCTGTACCCCACCTCCACCAGTACCTGAAGAAAGTGGGCT 1193  
 ||||| ||||| ||||| |||||  
 1126 TGGGATGGAGCAGGGATGGCTGCCCA . . . . . GGGAGGGGCGGTGG 1167  
 |||||  
 1194 CTCACCCCTACCTGCCCTGCCATTGGAATGGCCTGGTTGCACAGATGGG 1243  
 ||||| ||||| ||||| |||||  
 1168 GGCCTTCCATCCTGCTCTGCCCTCTGTCCTCTGGCCCCAGCTCAGTCC 1217  
 |||||  
 1244 AAACCCGTTGAGGGTGGGTGTCTGGTGGGCACGTGGGGCAGGACCT 1293  
 ||||| ||||| ||||| |||||  
 1218 TGTCCATCTCCAGCTAAACATTGTGGCCGACACTGGCTCTCCCTCT 1267  
 |||||  
 1294 GCCTGAGGGACCCCTGCCCTGGAACGTGACAGTGCAAGCTGGCGTCTGCC 1343  
 ||||| ||||| ||||| |||||  
 1268 ACCTTCTGTCCTGTCTGACACTGGCTCCCGTGCTCTGGGTCTCTGCA 1317  
 |||||  
 1344 CATCTGGCAGAAGGCTGGTTCTCCCATCAACGAAGCCCTCCCAGGAC 1393  
 ||||| ||||| ||||| |||||  
 1318 CTGATGGCTGCCCTCCCGCTTCTCTCCCTCTCCCTCTGCCGTCTGTCTC 1367  
 |||||  
 1394 TCCCTGCAAGCCCTCGTCCCACACGCAGCTGCGCCCTGGGTGTC 1443  
 ||||| ||||| ||||| |||||  
 1368 CTGTGGCCAGTCTCCCTGTCTCTCTCCCTCCTCTCTCCACC 1417  
 |||||  
 1444 TCCCGGCCCTCAGGTCTCCA . . . . . TGCTGGGTACCTCTGGGCACCTCGTT 1489  
 ||||| ||||| ||||| |||||

Figure 15C

1418 TCCCCATAGCCGAGCTGGAAAAGTCAGACAGACCTCTGAGGTCTCATCC 1467  
 1490 TGGCTGAGCCAGGGGTTCAAGCCTGGCAGGGGCCCTGGCAGCAGTCCTTG 1539  
 1468 TGGAGCTGCCACCAGCCCAGCCTCCCTGGACCTGTCTTCACTGCCTGGG 1517  
 1540 GCCTGTGGATGCTGTCCCTGGCCTGTG. GATGGTGTCCC GCCCTCCACGTA 1588  
 1518 GCCCTGGGAGCCAGGGAGGCTCCCTGAGGCTGAGTGAACACTGGCGCTG 1567  
 1589 CCCCTCTCACCCCCCTCCTCTTGGACTCCAGCCATGGGCCTGCGCGAGC 1638  
 1568 CACCTGCCTCTCCACGTCCCTGGCCCCA.....CTCCCGC 1603  
 1639 CGGAAC TGCTCCAGGACAGAGAACGCCGTGTGGCTGCAGCCAGGCCA 1688  
 1604 AGGTGCAGCTGGCTGGTGACGAAGCCCGAGCTGGGACCAGCAGCTCCA 1653  
 1689 CTTCTGCATCGTCCAGGACGGGACCACTGCGCCGCGTGCCTACCG 1738  
 1654 CTGGGTATGGTGGTTCTCTCAGGGAGCCTCGTCATCGTCATTGTTGCT 1703  
 1739 CCACCTCCAGCCCAGGGCAGAGGGTGCAGAAGGGAGGCACCGAGAGTCAG 1788  
 1704 CCACAGTTGGCCTAACATCATATGTGTGAAAAGAAGAAAGCCAAGGGGTGAT 1753  
 1789 GACACCCTGTGTCAGAACTGCCCGGGG..GGACCTTCTCTCCCAATGG 1835  
 1754 GTAGTCAAGGTGATCGTCTCCGTCCAGGTATTGATCCTCCCTCCCCCTCTC 1803  
 1836 GACCCCTGGAGGAATGTCAGCACCAAGGACCAATTGGCCTAACATCATATGTGTG 1885  
 1804 CCTCCCCCCTCCACCTCCCACCTCCCTCCCCGCTGGGCTGGTGT 1853  
 1886 AAAAGAAGAAAGCCAAGGGG...TGAGCACACGGTGGCCCCATCAGGGTT 1932  
 1854 TCTGGTGTACATGGTGGGGCTCCAGTTCTCTGAGGGTCTGAGTCTTT 1903  
 1933 CATGTCCCCAGCCGTACCTTTGGAGCTCTGTCACCCCAAGCCTGGGAG 1982  
 1904 CAAGTACAGCCACGGTAGCTCAGGAA.....AGAACCCACCCCTCAAA 1947  
 1983 GTGGCCCCAGAGCTTTCCAGGATCCCGCGGCTCCCTCCAGGGCAGCCACT 2032  
 1948 CTGAAAGCAGTAAAATGAACCCGAGAACCTGGAGTCCAGGGGGCCTGA 1997  
 2033 GCAGGCTGGGGCAGGTGTATGTAGTCAAGGTGATCGTCTCCGTCCAGCGG 2082  
 1998 GCAGGCAGGGTCTCCACGAT.....TCGTGTGCTCACAGCGG 2034  
 2083 TAAAAGACAGGAGGCAGAAGGTGAGGCCACAGTCATTGA.GCCCTGCAGG 2131  
 2035 GAAAAGACAGGAGGCAGAAGGTGAGGCCACAGTCATTGAGGCCCTGCAGG 2084  
 2132 CCCCTCCGGACGTCACCAACGGTGGCCGTGGAGGAGACAATACCCCTCATTC 2181  
 2085 CCCCTCCGGACGTCACCAACGGTGGCCGTGGAGGAGACAATACCCCTCATTC 2134

Figure 15D

2182	AC.GGGGAGGAGCCCAAACCACTGACCCACAGACTCTGCACCCGACGCC	2230
2135	ACGGGGAGGAGCCCAAACCACTGACCCACAGACTCTGCACCCGACGCC	2184
2231	AGAGATACCTGGAGAGACGGCTGCTGATAGAGGCTGTCCACCTGGCGAAA	2280
2185	AGAGATACCTGGAGCGACGGCTGCTGAAAGAGGCTGTCCACCTGGCGAAA	2234
2281	CCACCGGAGCCCGGAGGCTGGGGCTCCGCCCTGGCTGGTTCCGTCT	2330
2235	CCACCGGAGCCCGGAGGTTGGGGCTCCGCCCTGGCTGGTTCCGTCT	2284
2331	CCTCCAGTGGAGGGAGAGGTGGTGCCCCCTGCTGGTAGAGCTGGGAC	2380
2285	CCTCCAGTGGAGGGAGAGGTGGGCCCTGCTGG.GGTAGAGCTGGGAC	2333
2381	GCCACGTGCCATTCCCATGGTTCACTGAGGGCTGGTGGCTCTGTTCTG	2430
2334	GCCACGTGCCATTCCCATGGGCCAGTGAGGGCTGG.GGCCTCTGTTCTG	2382
2431	CTGTGGCCTGAGCTCCCCAGAGTCCTGAGGAGGAGCCCCAGTTGCCCTC	2480
2383	CTGTGGCCTGAGCTCCCCAGAGTCCTGAGGAGGAGGCCAGTTGCCCTC	2432
2481	GCTCACAGACCACACACCCAGCCCTCCTGGG.CCAACCCAGAGGCCCTT	2529
2433	GCTCACAGACCACACACCCAGCCCTCCTGGGTCCAGCCCAGAGGCCCTT	2482
2530	CAGACCCCAGCTGCTGCGCGTCTGACTCTTGTGGCCTCAGCAGGACAGG	2579
2483	CAGACCCCAGCTGCTGCGCGTCTGACTCTTGTGGCCTCAGCAGGACAGG	2532
2580	CCCCGGGCACTGCCTCACAGCCAAGGCTGGAATGGGTTGGCTGCAGTGTG	2629
2533	CCCCGGGCACTGCCTTCAAGCCAAGGCTGGACTGGGTTGGCTGCAGTGTG	2582
2630	GTGTTTAGTGGATACCACATCGGAAGTGAATTCTAAAAATTGGATTTGA	2679
2583	GTGTTTAGTGGATACCACATCGGAAGTGAATTCTAAA.....TTGG	2624
2680	ATTCGGAAAAAAA 2692	
2625	ATTGAAAAAAA 2637	

Figure 15E

TNFR-I	V C	PQGKRYIH P QNNNSI	C C	TK	C HXGTYLIND	C PGPGQDTD	C R
TNFR-II	T C	RLREYYDQTAQM	C C	SK	C SPGQHAKVF	C TXTSDTV	C D
CD40	A C	REXQYLINSQ	C C	SL	C QPGQKLVSD	C TEPTETE	C L
4-1BB	-	-	C SN	C FAGTF	C DNNRNQI	C S	
TR-2	S C	KEDEXYPVGSE	C PK	C SPGIVKREA	C GEITGTV	C E	

TNFR-I	E C	ESGSFTASENHLRH	C LS C	SK	C RKEMGQVEISS	C TVDRDTV	C G
TNFR-II	S C	EDSTYTQLMNNTYPE	C LS C	GSR	C SSDQVETQA	C TREQMRI	C T
CD40	P C	GESEFLDTWNRTH	C HQ H	KY	C DPNLGLRVQQK	G TSETDTI	C T
4-1BB	P C	PENSFESSAGGORT	C DI C	RQ	C XGVFRTEKE	C SSTSNAE	C D
TR-2	P C	PPGTYTAHNLGSK	C LQ C	QM	C DPAMGLRASRN	C SRTENAV	C G

TNFR-I	C RGGQYRHYWSENLFQ	C FNC	SL	C LNSTVHLS	C QEKQNTV	C T	
TNFR-II	C RPGWY	C ALSKQEG	C RLC	C APLEK	C RGFGRVAPP	G TETSDIV	C K
CD40	C EEGWH	C TSEA	C ES C	C VLHRS	C SPGFGVQIAZ	G VSDTI	C Z
4-1BB	C TPGFH	C LGAG	C SM C	C EGD	C KQGQELTRKG	C KD	C -
TR-2	C SPGHF	C IVQDGDH	C AA C	C RAYAT	S SPGQRVQKG	G TESSQDTL	C Q

TNFR-I	- C	HAGFFLRENE	C VS C	SN	C KKSL	C TKL	C L
TNFR-II	P C	APGFFPSNTTSSTDI	C RP H	QI	C NVVAIP	G NASMDAV	C T
CD40	P C	PVGFFFSNVSSAFEK	C HP W	TS	C ETYDLYVQQA	G TMKTDVV	C G
4-1BB	- C	F-GTFNQKRGII	C RP W	TN	C SLOGKSVLWN	G TKERDVV	C G
TR-2	N C	PPGTFSPNGTLEE	C QH Q	TK	C SWLTKA	G AGTSSSH	W V

Figure 16